INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001490

		PC1/UF2	002/001430
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER B02C18/40	•	
According to Int	ernational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SE	ARCHED		
Minimum docum Int . Cl	nentation searched (classification system followed by classification syste	assification symbols)	
Jitsuyo		nt that such documents are included in the roku Jitsuyo Shinan Koho tsuyo Shinan Toroku Koho	e fields searched 1994-2005 1996-2005
Electronic data b	ease consulted during the international search (name of d	ata base and, where practicable, search to	ams used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y A	JP 2001-121021 A (Toto Ltd.) 08 May, 2001 (08.05.01), (Family: none)		1,3-21
Y A	JP 2003-260380 A (Toto Ltd.) 16 September, 2003 (16.09.03) (Family: none)		1,3-21 2
Y A	JP 2001-224976 A (Kabushiki) Kogyo), 21 August, 2001 (21.08.01), (Family: none)	Kaisha Furomu	1,3-21 2
У А	JP 9-960 A (Japan Electronic 07 January, 1997 (07.01.97), (Family: none)	s Industry Ltd.),	1,3-21 2
× Further de	ocuments are listed in the continuation of Box C.	See patent family annex.	,
"A" document d	gories of cited documents: lefining the general state of the art which is not considered ficular relevance	"T" later document published after the int date and not in conflict with the applic the principle or theory underlying the	ation but cited to understand
B' earlier application or patent but published on or after the international filing date 'X' document of particular relevance; the claimed inventional considered novel or cannot be considered to involve step when the document is taken alone		dered to involve an inventive	
cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent:	step when the document is documents, such combination att
	al completion of the international search ruary, 2005 (17.02.05)	Date of mailing of the international sea 08 March, 2005 (08	
	ng address of the ISA/ se Patent Office	Authorized officer	

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International application No.

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A.	CLASSIFICATION OF SUBJECT MATTER	
	Inticl ⁷ Boocle/40	

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) Int.Cl B02C18/00-18/44, E03C1/266

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Japanese Patent Office

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2001-121021 A (Toto Ltd.), 08 May, 2001 (08.05.01), (Family: none)	1,3-21
Y A	JP 2003-260380 A (Toto Ltd.), 16 September, 2003 (16.09.03), (Family: none)	1,3-21 2
Y A	JP 2001-224976 A (Kabushiki Kaisha Furomu Kogyo), 21 August, 2001 (21.08.01), (Family: none)	1,3-21 2
Y A	JP 9-960 A (Japan Electronics Industry Ltd.), 07 January, 1997 (07.01.97), (Family: none)	1,3-21 2

×	Further documents are listed in the continuation of Box C.	See patent family amex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"B"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
	cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
.0.	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the	combined with one or more other such documents, such combination being obvious to a person skilled in the art	
•	priority date claimed	"&" document member of the same patent family	
Date	of the actual completion of the international search	Date of mailing of the international search report	
	17 February, 2005 (17.02.05)	08 March, 2005 (08.03.05)	
Nam	e and mailing address of the ISA/	Authorized officer	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001490

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
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У А	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 80155/1989 (Laid-open No. 19542/1991) (Kabushiki Kaisha Daikyo), 26 February, 1991 (26.02.91), (Family: none)	1,3-21 2
Y A	JP 9-122527 A (Inax Corp.), 13 May, 1997 (13.05.97), (Family: none)	1,3-21
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Y	JP 11-57519 A (Matsushita Electric Industri Co., Ltd.), 02 March, 1999 (02.03.99), (Family: none)	al 14-21
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